

SEQUENCE LISTING

<110> Woodhead, Mary Rose
Taylor, Mark Andrew
Brennan, Rex Michael

<120> BLACKCURRANT PROMOTERS AND GENES

<130> C70237D1

<140> Unknown

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<150> 09/068,140

<151> 1998-11-02

<150> PCT/EP/9604807

<151> 1996-11-04

<150> GB9522558.7

<151> 1995-11-03

<160> 15

<170> FastSEQ for Windows Version 3.0

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<212> DNA

<213> Ribes nigrum

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ccccagctga agtagagaca aaggtggaag ttacagaaga accacaaaaa gttgaggaga	240
aaccagcaga agtagaggag gtcctaaagg aaacagtaga aacagaacca gctgttgaga	300
agaccatcaa ggaggaaact gtagaggact ctgtcgtggc acctgctccc gaaccggaag	360
ccgaagtccc aaaagagaag gtaattgcta ctactgaaac tactgaggaa gaagaaaaag	420
tggcagttga agaagttgaa gtgaaagttg aaacagagga gggagaagtt actgaggaga	480
agactgagta aaataagttg tacaactatt ttatgcacgc cttattttct caattggaag	540

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tggcacacat gggtaaaagt caaactttgt tgaggatgtt ttcttgttgg ttaaattgtgt	720
gtgccaaagta gtagaatgtg gtggttgtaa tgtaagttct caagtaggggt ttatgagtcc	780
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35 40 45	
Glu Pro Pro Ala Val Ser Ala Glu Glu Pro Val Ala Pro Ala Glu Val	
50 55 60	
Glu Thr Lys Val Glu Val Thr Glu Glu Pro Pro Lys Val Glu Glu Lys	
65 70 75 80	
Pro Ala Glu Val Glu Glu Ala Pro Lys Glu Thr Val Glu Thr Glu Pro	
85 90 95	
Ala Val Glu Lys Thr Ile Lys Glu Glu Thr Val Glu Asp Ser Val Val	
100 105 110	
Ala Pro Ala Pro Glu Pro Glu Ala Glu Val Pro Lys Glu Lys Val Ile	
115 120 125	
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Thr Glu	

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tcattgagac	ccagaagagc	tacgatgacg	tcgtggtgat	ggatgttcag	gcagctgaga	180
atgatggcaa	gtgcaagtgc	ggcccgagct	gcagtttgtg	gggctgcagc	tgtggtcatt	240
aagttaaaca	caacattatc	atgttatagt	gaataatgat	gtgtgtgatg	aatataggtg	300
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Tyr	Asp	Asp	Val	Val	Val	Met	Asp	Val	Gln	Ala	Ala	Glu	Asn	Asp	Gly
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ccctagcaga	taaatacccc	acggagaact	tgttgcttgt	tacacatggg	gaaggagttg	600
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cattggattc acatccctac ttgttttaaag gagactttga tttgttgcct ccaaacagaa	960
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 <213> Ribes nigrum

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Gly Leu Lys Leu Arg Thr Asn Phe Asp Phe Pro Ile His Arg Val Phe	
50 55 60	
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65 70 75 80	
Ala Leu Cys Ala Val Asp Asp Ile Pro Ala Thr Thr Asn Arg Gly Asp	
85 90 95	
Gln Val Gln Ile Asp Pro Ser Lys Ile Lys Val Ser Ile Glu Tyr Gly	
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130 135 140	
Pro Val Gly Thr Val Asp His Ser Val Glu Pro Leu Tyr Lys Glu Met	
145 150 155 160	
Pro Lys Trp Glu Glu Thr Val Asn Gly Ala Arg Ala Arg Tyr Glu Glu	
165 170 175	
Val Ile Gln Ala Leu Ala Asp Lys Tyr Pro Thr Glu Asn Leu Leu Leu	
180 185 190	
Val Thr His Gly Glu Gly Val Gly Val Ala Val Ser Ala Phe Met Lys	
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210 215 220	
Arg Ser Ile Val Leu Gly Lys Asn Gln Ser Phe Thr Ala Glu Asn Phe	

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Gly Lys Cys Gly Ile Ala Met Glu Ala Ser Tyr Pro Ile Lys Lys Gly		110
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Gln Asn Pro Pro Asn Pro Gly Pro Ser Pro Pro Ser Pro Ile Lys Thr		125
	130	135
Ser Asn Ser Phe Val Thr Ile Thr Ile Pro Trp Leu Lys Ala Pro Leu		140
145	150	155
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	165	170
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<213> Ribes nigrum

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<210> 10

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<212> PRT

<213> Ribes nigrum

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Ser	Gly	Val	Phe	Ala	Thr	Val	Ala	Ser	Asp	Ala	Val	Ile	Thr	Pro	Met
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Val	Val	Asp	Cys	Val	Arg	Arg	Val	Leu	Val	Glu	Glu	Gly	Ile	Gly	Ala
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Phe	Tyr	Ala	Ser	Tyr	Arg	Thr	Thr	Val	Val	Met	Asn	Ala	Pro	Phe	Thr
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Ala	Val	His	Phe	Ala	Thr	Tyr	Glu	Ala	Thr	Lys	Lys	Gly	Leu	Leu	Glu
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Val	Ser	Pro	Glu	Thr	Ala	Asn	Asp	Glu	Asn	Leu	Leu	Val	His	Ala	Thr
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Ala	Gly	Ala	Ala	Ala	Gly	Ala	Leu	Ala	Ala	Val	Val	Thr	Thr	Pro	Leu
	195						200					205			
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<213> Ribes nigrum

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